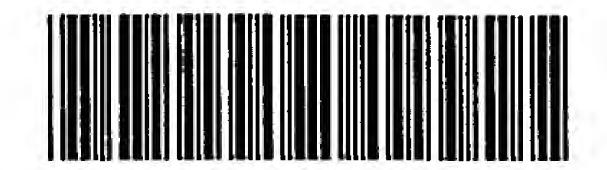
RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	08/823,9806
Source:	1FW/6.
Date Processed by STIC:	12/14/06
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ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/08/823,980G

DATE: 12/14/2006

TIME: 14:28:06

Input Set : A:\2300-0938_seq.ST25.txt
Output Set: N:\CRF4\12142006\H823980G.raw

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3 <110> APPLICANT: Weiner, Amy J
             Houghton, Michael
      6 <120> TITLE OF INVENTION: Conserved Motif of Hepatitis C Virus E2/NS1 Region
     8 <130> FILE REFERENCE: PP000938.0105
     10 <140> CURRENT APPLICATION NUMBER: 08/823,980G
     11 <141> CURRENT FILING DATE: 1997-03-25
     13 <150> PRIOR APPLICATION NUMBER: 08/757,958
     14 <151> PRIOR FILING DATE: 1996-11-25
                                                             Jee P.
     16 <150> PRIOR APPLICATION NUMBER: 08/061,699
     17 <151> PRIOR FILING DATE: 1993-05-12
     19 <160> NUMBER OF SEQ ID NOS: 134
     21 <170> SOFTWARE: PatentIn version 3.3
     23 <210> SEQ ID NO: 1
     24 <211> LENGTH: 6
     25 <212> TYPE: PRT
     26 <213 > ORGANISM: Hepatitis C virus
     29 <220> FEATURE:
     30 <221> NAME/KEY: VARIANT
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     32 <223> OTHER INFORMATION: Represents Ala, Arg, Asp, Gly, Lys, Ser, or Thr.
     34 <220> FEATURE:
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     36 <222> LOCATION: (2)..(2)
     37 <223> OTHER INFORMATION: Represents Ile, Leu, Met, Phe, or Trp.
     39 <220> FEATURE:
     40 <221> NAME/KEY: VARIANT
     41 <222> LOCATION: (3)..(3)
     42 <223> OTHER INFORMATION: Represents Leu or Phe.
     44 <220> FEATURE:
     45 <221> NAME/KEY: misc_feature
     46 <222> LOCATION: (4)..(5)
     47 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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     51 <222> LOCATION: (6)..(6)
     52 <223> OTHER INFORMATION: Represents Ala or Gly.
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     57 1
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     61 <211> LENGTH: 32
     62 <212> TYPE: PRT
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DATE: 12/14/2006

TIME: 14:28:06

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Input Set : A:\2300-0938 seq.ST25.txt
                     Output Set: N:\CRF4\12142006\H823980G.raw
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     67 <221> NAME/KEY: MOD_RES
     68 <222> LOCATION: (1)..(1)
     69 <223> OTHER INFORMATION: 2,3-diaminopropionic (Dpr) acetyl cysteine
     71 <220> FEATURE:
     72 <221> NAME/KEY: MOD_RES
  73 <222> LOCATION: (2)..(2)
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     74 <223> OTHER INFORMATION: 2-amino heptanoic (Ahe) butyl alanine
     76 <400> SEQUENCE: 2
W--> 78 Xaa Xaa Glu Thr His Val Thr Gly Gly Ser Ala Gly His Thr Val Ser
                                                                 15
                                             10
     79 1
     82 Gly Phe Val Ser Leu Leu Ala Pro Gly Ala Lys Gln Asn Val Gln Leu
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     86 <210> SEQ ID NO: 3
     87 <211> LENGTH: 5
     88 <212> TYPE: PRT
     89 <213> ORGANISM: Hepatitis C virus
     91 <400> SEQUENCE: 3
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     94 1
     97 <210> SEQ ID NO: 4
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     99 <212> TYPE: PRT
     100 <213> ORGANISM: Hepatitis C virus
     102 <400> SEQUENCE: 4
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     105 1
     108 <210> SEQ ID NO: 5
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     111 <213> ORGANISM: Hepatitis C virus
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     116 1
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     128 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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     133 <223> OTHER INFORMATION: Represents Ala, Pro, or Ser.
     135 <400> SEQUENCE: 6
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/08/823,980G

RAW SEQUENCE LISTING

PATENT APPLICATION: US/08/823,980G

TIME: 14:28:06

Input Set : A:\2300-0938_seq.ST25.txt
Output Set: N:\CRF4\12142006\H823980G.raw

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RAW SEQUENCE LISTING DATE: 12/14/2006
PATENT APPLICATION: US/08/823,980G TIME: 14:28:06

Input Set: A:\2300-0938_seq.ST25.txt
Output Set: N:\CRF4\12142006\H823980G.raw

206 <222> LOCATION: (27)..(27)

207 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid

209 <400> SEQUENCE: 8

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216 20 25 30

219 <210> SEQ ID NO: 9 220 <211> LENGTH: 31 221 <212> TYPE: PRT

222 <213> ORGANISM: Hepatitis C virus

224 <400> SEQUENCE: 9

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227 1 5 10 15 230 Val Ser Leu Phe Arg Ser Gly Ala Ser Gln Asn Leu Lys Leu Val

231 20 25 30

234 <210> SEQ ID NO: 10 235 <211> LENGTH: 31

237 <213> ORGANISM: Hepatitis C virus

239 <400> SEQUENCE: 10

236 <212> TYPE: PRT

241 Ser Thr Gln Val Thr Gly Gly Gln Ala Ala His Thr Val Arg Gly Val

242 1 5 10

245 Ala Ser Ile Phe Ser Pro Gly Ser Arg Gln Asp Ile Ser Leu Ile

246 20 25 30

249 <210> SEQ ID NO: 11

250 <211> LENGTH: 31

251 <212> TYPE: PRT

252 <213> ORGANISM: Hepatitis C virus

254 <400> SEQUENCE: 11

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260 Ala Ser Leu Phe Ser Leu Gly Ala Ser Gln Lys Ile Gln Leu Val

261 20 25 30

264 <210> SEQ ID NO: 12

265 <211> LENGTH: 31

266 <212> TYPE: PRT

267 <213> ORGANISM: Hepatitis C virus

269 <400> SEQUENCE: 12

271 Ser Thr His Val Met Gly Ala Gln Gln Gly Arg Val Ala Lys Gly Phe

272 1 5 10 15

275 Thr Ser Leu Phe Gly Pro Gly Pro Ala Gln Lys Ile Gly Leu Ile

276 20 25 30

279 <210> SEQ ID NO: 13

280 <211> LENGTH: 31

281 <212> TYPE: PRT

282 <213> ORGANISM: Hepatitis C virus

284 <400> SEQUENCE: 13

286 Ser Thr His Val Thr Gly Ala Val Gln Gly His Ser Ile Arg Gly Leu

RAW SEQUENCE LISTING

PATENT APPLICATION: US/08/823,980G

TIME: 14:28:06

Input Set : A:\2300-0938_seq.ST25.txt
Output Set: N:\CRF4\12142006\H823980G.raw

15 287 1 10 290 Thr Ser Leu Phe Thr Ser Gly Pro Ala Gln Lys Ile Gln Leu Val 20 25 291 30 294 <210> SEQ ID NO: 14 295 <211> LENGTH: 31 296 <212> TYPE: PRT 297 <213> ORGANISM: Hepatitis C virus 299 <400> SEQUENCE: 14 301 Glu Thr His Val Thr Gly Gly Ile Ala Ala Lys Thr Thr Ala Ser Leu 302 1 10 15 305 Thr Gly Leu Phe Asn Leu Gly Ala Lys Gln Asn Ile Gln Leu Ile 306 20 25 30 309 <210> SEQ ID NO: 15 310 <211> LENGTH: 31 311 <212> TYPE: PRT 312 <213> ORGANISM: Hepatitis C virus 314 <400> SEQUENCE: 15 316 Glu Thr His Val Thr Gly Gly Asn Ala Gly Arg Ala Ala Ala Gly Ile 317 1 10 320 Ala Gly Leu Phe Thr Leu Gly Ala Lys Gln Asn Val Gln Leu Ile 321 20 25 30 324 <210> SEQ ID NO: 16 325 <211> LENGTH: 31 326 <212> TYPE: PRT 327 <213> ORGANISM: Hepatitis C virus 329 <400> SEQUENCE: 16 331 Gln Thr Arg Val Thr Gly Gly Thr Ala Ala Gln Ser Thr Ala Arg Ile 332 1 10 335 Ala Gly Leu Phe Ser Leu Gly Ala Arg Gln Asn Ile Gln Leu Ile 336 20 30 25 339 <210> SEQ ID NO: 17 340 <211> LENGTH: 31 341 <212> TYPE: PRT 342 <213> ORGANISM: Hepatitis C virus 344 <400> SEQUENCE: 17 346 Gln Thr His Val Met Gly Gly Thr Ala Gly Arg Asn Ala Tyr Gly Leu 347 1 10 350 Thr Ser Phe Leu Ser Val Gly Ala Ser Gln Lys Ile Gln Leu Ile 351 20 30 25 354 <210> SEQ ID NO: 18 355 <211> LENGTH: 31 356 <212> TYPE: PRT 357 <213> ORGANISM: Hepatitis C virus 359 <400> SEQUENCE: 18 361 Glu Thr His Val Met Gly Gly Ala Ala Ser Ser Thr Thr Tyr Arg Phe 362 1 365 Ala Ser Leu Phe Thr Ser Gly Pro Ala Gln Lys Ile Gln Leu Val 366 20 25 30 369 <210> SEQ ID NO: 19

DATE: 12/14/2006 RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/08/823,980G TIME: 14:28:07

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Input Set : A:\2300-0938 seq.ST25.txt Output Set: N:\CRF4\12142006\H823980G.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,4,5,6 Seq#:2; Xaa Pos. 1,2 Seq#:6; Xaa Pos. 4,5,7 Seq#:7; Xaa Pos. 4,5,7 Seq#:8; Xaa Pos. 1,3,8,14,16,17,21,22,24,27

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Seq#:133; Xaa Pos. 1 Seq#:134; Xaa Pos. 4,5 VERIFICATION SUMMARY

DATE: 12/14/2006 TIME: 14:28:07

PATENT APPLICATION: US/08/823,980G

Input Set : A:\2300-0938_seq.ST25.txt
Output Set: N:\CRF4\12142006\H823980G.raw

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L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:16
L:2092 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:133 after pos.:0
L:2113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:0

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